



1627

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/636,243A

DATE: 05/29/2007

TIME: 17:48:37

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05292002\I636243A.raw

ENTERED

3 <110> APPLICANT: WANG, Bryan S.  
 4 PABO, Carl O.  
 6 <120> TITLE OF INVENTION: DIMERIZING PEPTIDES  
 8 <130> FILE REFERENCE: 8325-1004 / M4-US1  
 10 <140> CURRENT APPLICATION NUMBER: 09/636,243A  
 11 <141> CURRENT FILING DATE: 2000-08-10  
 13 <150> PRIOR APPLICATION NUMBER: 60/148,422  
 14 <151> PRIOR FILING DATE: 1999-08-11  
 16 <160> NUMBER OF SEQ ID NOS: 83  
 18 <170> SOFTWARE: PatentIn Ver. 2.0  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 25  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: exemplary  
 27 motif characterizing C2H2 class proteins  
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 30 <221> NAME/KEY: SITE  
 31 <222> LOCATION: (2)..(5)  
 32 <223> OTHER INFORMATION: where Xaa is any amino acid  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: SITE  
 36 <222> LOCATION: (4)..(5)  
 37 <223> OTHER INFORMATION: where Xaa may be present or absent  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: SITE  
 41 <222> LOCATION: (7)..(18)  
 42 <223> OTHER INFORMATION: where Xaa is any amino acid  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: SITE  
 46 <222> LOCATION: (20)..(24)  
 47 <223> OTHER INFORMATION: where Xaa is any amino acid  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: SITE  
 51 <222> LOCATION: (23)..(24)  
 52 <223> OTHER INFORMATION: where Xaa may be present or absent  
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 55 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 56 1 5 10 15  
 58 Xaa Xaa His Xaa Xaa Xaa Xaa His  
 59 20 25  
 62 <210> SEQ ID NO: 2

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63 <211> LENGTH: 4
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: D-able
69 subsite
71 <400> SEQUENCE: 2
72 Asn Asn Gly Lys
73 1
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 9
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger
83 protein bind sequence
85 <400> SEQUENCE: 3
86 ggcgtagac 9
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 9
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: zinc finger
95 protein bind sequence
97 <400> SEQUENCE: 4
98 ggcgacgta 9
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 5
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
107 linker
109 <400> SEQUENCE: 5
110 Thr Gly Glu Lys Pro
111 1 5
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115 <211> LENGTH: 5
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
122 <400> SEQUENCE: 6
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124 1 5
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 8
129 <212> TYPE: PRT

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133 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
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137   1               5
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 9
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
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148 <400> SEQUENCE: 8
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150   1               5
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 12
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
161 <400> SEQUENCE: 9
162 Leu Arg Gln Lys Asp Gly Gly Gly Ser Glu Arg Pro
163   1               5               10
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 16
168 <212> TYPE: PRT
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
174 <400> SEQUENCE: 10
175 Leu Arg Gln Lys Asp Gly Gly Gly Ser Gly Gly Gly Ser Glu Arg Pro
176   1               5               10               15
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 25
181 <212> TYPE: PRT
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Artificial Sequence: component
186     finger of zinc finger protein
188 <220> FEATURE:
189 <221> NAME/KEY: SITE
190 <222> LOCATION: (2)..(5)
191 <223> OTHER INFORMATION: where Xaa is any amino acid
193 <220> FEATURE:
194 <221> NAME/KEY: SITE
195 <222> LOCATION: (4)..(5)
196 <223> OTHER INFORMATION: where Xaa may be present or absent
198 <220> FEATURE:

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Input Set : A:\seqlist.txt

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199 <221> NAME/KEY: SITE  
 200 <222> LOCATION: (7)..(18)  
 201 <223> OTHER INFORMATION: where Xaa is any amino acid  
 203 <220> FEATURE:  
 204 <221> NAME/KEY: SITE  
 205 <222> LOCATION: (20)..(24)  
 206 <223> OTHER INFORMATION: where Xaa is any amino acid  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: SITE  
 210 <222> LOCATION: (23)..(24)  
 211 <223> OTHER INFORMATION: where Xaa may be present or absent  
 213 <400> SEQUENCE: 11  
 214 Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 215 1 5 10 15  
 217 Xaa Xaa His Xaa Xaa Xaa Xaa His  
 218 20 25  
 221 <210> SEQ ID NO: 12  
 222 <211> LENGTH: 30  
 223 <212> TYPE: PRT  
 224 <213> ORGANISM: Artificial Sequence  
 226 <220> FEATURE:  
 227 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding  
 228 domain F1  
 230 <400> SEQUENCE: 12  
 231 Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser Asp  
 232 1 5 10 15  
 234 Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro  
 235 20 25 30  
 238 <210> SEQ ID NO: 13  
 239 <211> LENGTH: 28  
 240 <212> TYPE: PRT  
 241 <213> ORGANISM: Artificial Sequence  
 243 <220> FEATURE:  
 244 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding  
 245 domain F2  
 247 <400> SEQUENCE: 13  
 248 Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu  
 249 1 5 10 15  
 251 Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro  
 252 20 25  
 255 <210> SEQ ID NO: 14  
 256 <211> LENGTH: 38  
 257 <212> TYPE: DNA  
 258 <213> ORGANISM: Artificial Sequence  
 260 <220> FEATURE:  
 261 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding  
 262 site  
 264 <400> SEQUENCE: 14  
 265 ggttgcaagt ggcgcgccca cagtactga acgtaacg 38

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Input Set : A:\seqlist.txt

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268 <211> LENGTH: 34
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270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
274     site
276 <400> SEQUENCE: 15
277 cgttacgttc aagtactgtg ggcgcgcccc ctgc          34
279 <210> SEQ ID NO: 16
280 <211> LENGTH: 12
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
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286     site
288 <400> SEQUENCE: 16
289 tgggcgtatg ct          12
291 <210> SEQ ID NO: 17
292 <211> LENGTH: 12
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
298     site
300 <400> SEQUENCE: 17
301 agcatacgcc ca          12
303 <210> SEQ ID NO: 18
304 <211> LENGTH: 57
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
310     site
312 <400> SEQUENCE: 18
313 ggaattcctg atcaagatct ggtcacgtcc ataggctagg catgtcaagg ctgtatg    57
315 <210> SEQ ID NO: 19
316 <211> LENGTH: 57
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA binding
322     site
324 <400> SEQUENCE: 19
325 gggatccact cgcgaacgcg tccttgtagt ggcgcgcccc acatacagcc ttgacat    57
327 <210> SEQ ID NO: 20
328 <211> LENGTH: 12
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/29/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24  
Seq#:11; Xaa Pos. 2,3,4,5,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24